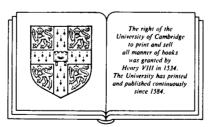
MONEY AND ITS USE IN MEDIEVAL EUROPE

Peter Spufford



Cambridge University Press

Cambridge London New York New Rochelle Melbourne Sydney Published by the Press Syndicate of the University of Cambridge The Pitt Building, Trumpington Street, Cambridge CB2 1RP 32 East 57th Street, New York, NY 10022, USA 10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© Cambridge University Press 1988

First Published 1988

Printed in Great Britain at the University Press, Cambridge

British Library cataloguing in publication data

Spufford, Peter
Money and its use in medieval Europe.

1. Money – Europe – History
I. Title

332.4'94 HG923

Library of Congress cataloguing in publication data

Spufford, Peter.

Money and its use in medieval Europe.

Bibliography
Includes index.

Money – Europe – History.
 Europe – Economic conditions – To 1492.
 Numismatics, Medieval.
 Title.

HG923.S68 1988 - 332.4'94 86-13701

ISBN 0 521 30384 2 ISBN 0 521 37590 8 paperback

Contents

Lis	et of maps	page vii
Lis	st of tables	ix
Lis	t of graphs	x
Ac	knowledgements	xi
Int	roduction	I
Par	rt I Before the Commercial Revolution	
I	Roman–Barbarian Discontinuity	7
2	The Appearance of the Denier and the Revival of Trade	27
3	'Feudal' Deniers and 'Viking' Dirhams	55
4	Saxon Silver and the Expansion of Minting	74
Par	rt II The Commercial Revolution of the Thirteenth Century	
5	New Silver c. 1160 – c. 1330	109
6	The Balance of Payments and the Movement of Silver	132
7	European Silver and African Gold	163
8	New Mints	187
9	Ingots of Silver	209
10	New Money	225
ΙI	The Place of Money in the Commercial Revolution of the Thirteen	nth
	Century	240
Pa	rt III The Late Middle Ages	
12	The Victory of Gold	267
13	The Scourge of Debasement	289
14	The Money of Europe around 1400	319
15	The Bullion-Famines of the Later Middle Ages	339
16	Money on the Eve of the Price Revolution	363

Conclusion		page 378
Appendix 1	The Coins Most Commonly in Use in the Middle Ages	397
Appendix 11	Money of Account	4 I I
Appendix III	Production at Some Later Medieval Mints	415
Bibliography		423
Coin Index		443
General Index		447

Maps

Map	I	Mediterranean trade with the Rhineland in the sixth and seventh	
		centuries	page 13
Map	2	Visigothic mints	23
Map	3	Regions using gold and silver coinages ϵ . 700	38
Map	4	Key Carolingian mints - Pepin to Louis the Pious	42
Map	5	Mints of Louis the Pious' sons and grandsons 840s and 850s	45
Map	6	Mints represented in the Fécamp Hoard c. 980–985	58
Map	7	Samanid-Viking silver-routes: reconstructed from the scale of	
		hoards of dirhams	66
Map	8	New mints – Otto I to Otto III	75
Map	9	Flow of silver from Goslar	78
Map	10	(A) English mints, Athelstan to 973	88
		(B) English mints 973-1066	89
Map	ΙI	European silver-mines c. 1170 – c. 1230	110
Map	12	European silver-mines c . 1230 – c . 1290	120
Map	13	European silver-mines c . 1290 – c . 1325	126
Map	14	Friesacher pfennigs in Hungary	135
Map	15	General movement of Central European silver in the thirteenth	I
		century	137
Map	16	Mints striking silver coins in the Middle East	
		(A) by 1200	150
		(B) by 1250	150
		(C) by 1300	151
Map	17	Movement of precious metals – da Canal notebook c. 1311	152
Map	18	Movement of Central European silver - Pegolotti notebook	
		c. 1321–1340	I 54
Map	19	Movement of Sardinian silver - Pegolotti notebook c. 1321-	-
		1340	156

viii	Maps

Map- 20	Trans-Saharan routes, and mints striking gold in Maghreb and				
	Spain 1047—1439	page 166			
Map 21	Main mints striking square dirhams and imitative millares	172			
Map 22	Multiplication of mints around Freiberg c . 1170 – c . 1200	188			
Map 23	Multiplication of mints north of Rome c. 1135 - c. 1250	190			
Map 24	Area of circulation of money of Melgueil	192			
Map 25	Spread of money parisis, first quarter of the thirteenth century				
Map 26	•	268			
Map 27	Trade-routes from Hungary and Bohemia as altered by the 133	5			
_	treaty	270			
Map 28	Minting of gold in France 1338–1339	276			
Map 29	Florin imitations in the Low Countries and the Rhineland	•			
-	c. 1336–1337	279			
Map 30	Circulation of gold in 'Germany' c. 1338 - c. 1378	281			
Map 31	(A) Gigliati and imitations in the 1340s	285			
	(B) Aegean ducat imitations in the 1350s	285			
Map 32	Principal currencies of late medieval Europe	294			
Map 33	Bosnian and Serbian silver	357			
Map 34	Bullion-famine c. 1440–1464	359			
Map 35	Flows of gold and silver 1465 – c. 1500	368			
	Map 21 Map 23 Map 24 Map 25 Map 26 Map 27 Map 28 Map 29 Map 30 Map 31 Map 31 Map 33 Map 34	Spain 1047—1439 Map 21 Main mints striking square dirhams and imitative millares Map 22 Multiplication of mints around Freiberg c. 1170 – c. 1200 Map 23 Multiplication of mints north of Rome c. 1135 – c. 1250 Map 24 Area of circulation of money of Melgueil Map 25 Spread of money parisis, first quarter of the thirteenth century Map 26 Mining after c. 1325 Map 27 Trade-routes from Hungary and Bohemia as altered by the 133 treaty Map 28 Minting of gold in France 1338–1339 Map 29 Florin imitations in the Low Countries and the Rhineland c. 1336–1337 Map 30 Circulation of gold in 'Germany' c. 1338 – c. 1378 Map 31 (A) Gigliati and imitations in the 1340s (B) Aegean ducat imitations in the 1350s Map 32 Principal currencies of late medieval Europe Map 33 Bosnian and Serbian silver Map 34 Bullion-famine c. 1440–1464			

Tables

Table	Ι	Islamic	coir	is in Polish territories, eighth to twelfth centuries page	71
Table	2	Weight	and	fineness of deniers, tenth to twelfth centuries	102
Table	3	Output	of	French mints open 1309–1312 according to the	
		survivi	ng a	ccounts	207
Table	4	Rates o	f ex	change against Florentine florins 1252–1500	291
Table	5	Long-to	erm	changes in twelve major currencies 1300-1500	295
Table	6	The flo	rin–	ducat standard in the fifteenth century	322
Table	7	Gold-si	lver	ratios in Egypt and Venice, in the fourteenth and	
		fifteent	h ce	nturies	354
Appen	dix	Table	I	Estimated levels of mint production in kilograms of	
				gold and silver	415
Appen	dix	Table	2	Estimates of European monetary stocks in the late	
- -				Middle Ages	420

Graphs

Graph	I	English mint production – reign of Henry III pa	ge 203
Graph	11	Gold–silver ratios c . 1250 – c . 1350	272
Graph 11	II	Changes in the value of the florin and the ducat in twelve	
		currencies 1252–1500	296
Graph 1	v	Minting activity in the late Middle Ages (general averages)	419

Introduction

Since historians have generally found the pursuit of happiness hard to analyse and chronicle, they have concentrated rather on the other two principal preoccupations of the human race, the pursuits of power and of wealth. In its widest sense 'money' was, in the Middle Ages, not only, with land, the major form of wealth, but also the measure of all other forms of wealth. It is therefore surprising that historians of this period have paid comparatively little attention to money. The availability and use of money have changed so much and so often over time that it must be considered one of the key variables in our understanding of medieval societies. along with population, religion and developing agricultural, industrial and commercial techniques. Change in the availability and the use of money is, for example. one of the keys to explaining the changing fabric of rural society, as well as of urban society, in the Middle Ages. The relevance of money to rural society in the Middle Ages is often ignored, to their cost, by early modern historians, who too readily assume that the rural use of money was a novelty of their own period. Change in the availability and the use of money is also one of the keys to explaining the changing nature of the framework of political activity in the Middle Ages. A knowledge of it greatly clarifies our understanding of a whole gamut of political structures, from the shreds of centralised organisation inherited by the barbarians from Rome, through the most decentralised forms of 'feudal' authority, to the earliest examples of the 'modern bureaucratic state' in the later Middle Ages. The study of money and its supply, therefore, has very wide implications as well as, more obviously, assisting the historian concerned with prices and wages, with the level and nature of rent, with interest rates, or with the profit and scale of trade.

Money has, of course, had different connotations at different periods, and changes in attitude towards it are extremely important. The virtues of *largesse* and of thrift are the very antithesis of one another. Poverty has been seen both as a condition to be embraced and as one to be relieved.

It is all too easy for the study of money in the Middle Ages to be focussed on the actual coins themselves. Coins were, of course, only a part of the money supply. In the earlier Middle Ages they were supplemented by a variety of other transferable

2 Introduction

objects, not only by uncoined precious metal, or valuable commodities such as pepper, but also by intrinsically valueless tokens like small squares of cloth made in a particular way. From the twelfth and thirteenth centuries, coins were already supplemented in some parts of Europe by holdings in the public debt and by bank deposits. These were transferable, by entry in the books of the bank or those of the officials of the *monte*, by bills of exchange, and, from the fourteenth century, by cheque.

However, the coins themselves, although not necessarily most important, have themselves survived in enormous quantities. The increased quantities of silver coins struck from the twelfth century onwards ran into millions and tens of millions and occasionally over a hundred million coins of the same type. In consequence coins are the most common object to survive from the later Middle Ages. Unlike most medieval artifacts they need not be confined to the collections of museums and of the very rich. It is possible for any teacher or student of medieval history to acquire a late-medieval coin. Coins can be the most vivid, as well as the most accessible, illustrations of the history of medieval Europe. To handle one of the deniers of Provins used to make payments at the Champagne Fairs, or one of the grossi struck to pay the wages of the shipwrights and mariners preparing for the Fourth Crusade, gives a very immediate contact with the events themselves. Gold coins are only a little less accessible. They were often minted by the hundred thousand. It is not difficult, or very expensive, to acquire a florin of Florence, as lent by the Bardi and Peruzzi to finance Edward III's purchase of allies to open the Hundred Years War. This tangible contact with past events has exercised an extraordinary fascination on many people over a long period of time. The collection and study of classical coinage, along with classical sculpture, began among the princely and patrician products of humanist education in the early Renaissance as ancillaries to their collection and study of classical texts. The fascination rapidly spread to coins of the Middle Ages. More than half a millennium of erudition has been expended on the study of the coins themselves. Numismatics has always been regarded as in some way ancillary to history, yet such has been the fascination of the study for its own sake, that the handmaid has given relatively little service to the muse.

Part of the problem lies in the fact that it is much rarer for the surviving coins to provide evidence for past events, over and above eloquent illustration of them. In the most extreme cases coins have provided evidence for the existence of otherwise unknown rulers, like the Anglo-Danish kings Cnut and Sigfrid, ruling at York from about 895 to about 903. The use of coins themselves as such direct evidence is most infrequent. It is less rare to be able to use coins indirectly as evidence. For example, it is possible to work out, from the coins themselves, and the hoards in which they have been found, that the late Anglo-Saxon kings of England regularly

Introduction 3

changed the whole circulating medium of the country. From this, indirectly, we can deduce something of the measure of control that these kings had over their kingdom.

Coins in an archaeological context are more useful than coins outside such a context. They are often the most narrowly datable of artifacts and provide the archaeologist with a more precise means of dating the layer in which they were found than any other. Coins in hoards are more useful as historical evidence than individual coins, although they can often pose problems of interpretation. The vast numbers of coins buried in ninth- and tenth-century Viking hoards are a case in point. They contain, as well as silver dirhams in quantity from Tashkent in central Asia, large numbers of silver pennies and pfennigs from Anglo-Saxon England and Ottonian Germany. The claims of piracy, legitimate trade and political tribute have all been advanced to explain the presence of these different coins in such quantities. The mere presence of coins from another country in an archaeological context is in itself evidence of commercial, ecclesiastical, political or military connection with the other country, but it is often difficult to determine which type of connection was involved.

It is this very sort of ambiguity that has so often deterred historians from using coins themselves as evidence. Nevertheless with the growth of economic and social history as a discipline in the past century or so, the realisation has become clearer that numismatics, let alone monetary history, ought to have an important role to play. The very vocabulary of numismatics, which has become even more esoteric in the past generation, has also been a deterrent. Until recently few economic historians have been sufficiently conversant with this 'language' to articulate it fully enough to treat the changing role of money in the European economy. They have therefore not, for example, been able to write with confidence of money as one of the keys to the developed market economy of Europe in the later Middle Ages; yet it deserves study as much as, or more than, the history of demography, technology or slavery.

One of the first to make a general study of money was Marc Bloch. He made a preliminary attempt to place the role of money in its true perspective in a series of lectures, published from his notes in 1954, a decade after his death, as an Esquisse d'une histoire monétaire de l'Europe. Carlo Cipolla, in a magisterial series of lectures, developed some of the most important themes in the history of money in the later Middle Ages and the early modern period. They were published as Money, Prices and Civilization in the Mediterranean World in 1956. Although there has been a lack of general studies, notable use has been made of monetary history by historians dealing with limited periods, for example by Peter Sawyer in his work on the Viking age. There have also been studies devoted to the monetary history of individual countries. For Italy, for example, there are Carlo Cipolla's excellent

brief Avventure della lira and, more limitedly, his recent Memetary Policy of Fourteenth Century Florence. For France, there are studies by Lanuxy, Rolland, Castaing-Sicard, Richebé, Fournial, Miskimin and Cazelles, Seminal books and articles by Van Werveke, De Roover, Lopez, Herlihy, Watson, La Roncière, Bisson, Prestwich. Sprandel and Day, have taken up particular themes in monetary history and made them accessible to economic historians. Many of these studies have appeared since I began writing this book. Meanwhile, eminent numismatists have also sought to make their intimate knowledge of coins available to a wider audience in their own languages. Kiersnowski has done so in Polish, Nohejlová-Prátová in Czech, Suhle in German, Porteous, Metcalf and Mayhew in English, and above all Grierson in a range of languages. This book is conceived on a more ambitious scale than any of these studies. I have attempted to treat the whole history of money in the Middle Ages, not merely the history of coinage. I have not limited myself to any one country, or any one period, or any one theme, but have tried to extract the most important elements for the historian from all these particular studies. How successful I have been in so broad an undertaking I leave the reader to judge.

I have arranged the book chronologically, rather than regionally, or thematically. A chronological approach reveals certain striking coincidences in time, for example between mining in one part of Europe and minting in another, even when no strict correlation of cause and effect can be demonstrated. I intend the book to present a picture of the many and changing roles played by money, in all its forms, in all parts of Europe throughout the Middle Ages. Some readers may be surprised to discover how early, how much used, and how familiar money, in many forms, was, not only to royalty and to the nobility, and to merchants and manufacturers, but also to the peasantry who so frequently paid taxes and tithes, rents and renders, and various amercements in cash down, besides being enmeshed in a network of rural credit.